## THE PLOTTER

CLACKAMAS COUNTY AREA T/S USERS GROUP NEWSLETTER

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NOLUME 1, NUMBER 3

\*\*\*
NOVEMBER 1983

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EDITED BY: ROD GOWEN
WRITERS: ROD GOWEN,
DENNIS JURRIES
DICK WAGNER

NOVEMBER ALREADY?—
Yes, here it is, NOVEMBER, and we still have not figured out what happened to our summer. By now everyone should be back into the winter routine. Lets not forget our old friend, the T/S COMPUTER. Now is when we can make the most of them. Hope we can help with this newsletter as well as our group meetings. PLEASE ATTEND—you may be pleasantly suprised. See you there—>

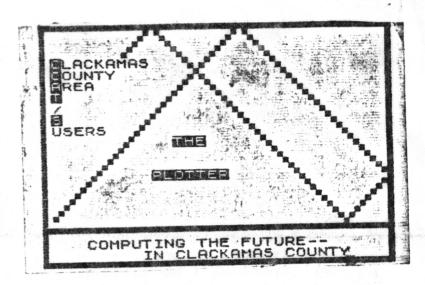
### MEETINGS

We really had a good turnout for our last meeting. It was held on FRI. 10/14/83 in RM 142 CLAIRMONT HALL, CCC, at 7 PM. We discussed and voted on our group name, it is now OFFICIAL, CLACKAMAS COUNTY AREA T/S USERS GROUP. CCAT/S, for short. We are also working on PINS and BADGES. We had a short report from KEVIN FOWLER on OMSI COMPUTER FAIR, held at OMSI on the last two days of SEPT. and the 1st of OCT.. KEVIN then passed out T/S KEYRINGS to all who were Present. Our next meeting will be held:

on: THURSDAY, NOV 10th

at: 7:00 P.M.

in: RM 101 RANDALL HALL CLACKAMAS COMM COLLEGE



PATS next meeting will be held:

on: SATURDAY, NOV. 12th

at: 1:00 P.M.

in: RM B15 SCI and TECH PCC SYLVANIA CAMPUS

At our next meeting we are planning to have a few new additions to the groups tape and software library. At the last meeting, we put into the library, THE COMPLETE TIMEX SINCLAIR BASIC COURSE. By next meeting, we will have several copies available to loam. Be sure to bring or buy a blank tape if you wish a copy of the cassette. After the business meeting there will be time to make any copies you may want. There will also be a demo of a VOICE RECOGNITION SYSTEM that was built by DENNIS JURRIES, from the article in the current issue of SYNC. There will, of course, be other business, news and demos. BE SURE TO ATTEND-> BRING A T/S FRIEND\*\*\*

At the last meeting, we were happy to welcome three new members to our group:

JIM TITUS 15000 S. GREENTREE DRIVE OREGON CITY, OR 97045

RUSSELL RATCHEY 14935 S. GREENTREE DRIVE OREGON CITY, OR 97045

CRESTON WOODARD 659-1597 17685 S.E. PARADISE DRIVE MILWAUKIE, OR 97222

# TIMEX SINCIBIL

BITS and BYTES

HOW ABOUT THAT>>>
The NEW T/S 1500 is finally
arriving in local stores.
However, there will be quite a
few stores that were selling
the T/S line who will not be
selling it now. Who can blame
them, with all of the broken
Promises as to delivery dates
and Product availability. We
sure hope that things get a lot
better before long. Maybe we
will be able to get the new
T/S 2068. WE ARE WAITING==<>>>

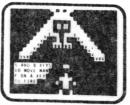
This month the Program column was written by ROD GOWEN. We certainly hope that these tips and Programs are of some use to our readers. As we have said before, we would be very happy to have any one line tip or short Program that may be of general interest.

The hardware review this month was submitted by DICK WAGNER. He seems to be one of our few regular contributors. We do, however, think he has some interesting things to Pass along to us.

If you have something to contribute, have a question, or wish to borrow from the group library, Please contact:

ROD GOWEN 655-7484 (LIBRARY) or DENNIS JURRIES 655-9670

We will be more than happy to assist if Possble.





Use the POWER within Your reach!

HARDWARE REVIEW

WINKY BOARD II by DICK WAGNER

Probably most members have read of or are aware of a Passive filter device called WINKY II. It fits between the recorder and the ZX/TS AND IS SUPPOSED yo clean up the recorder output for better LOADing. It does this but it also reduces the recorder output volume slightly so that marginal volume tapes may not LOAD with this device.

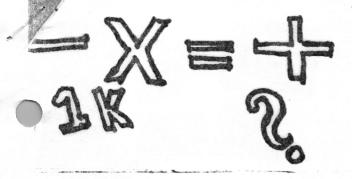
This is a neat attachment to allow the use of a second recorder to copy a program that is being LOADed, to directly copy from one recorder to another recorder, and to SAVE on two recorders at the same time. All of this is made possible by an impedance matching circuit for the MIC input to the second recorder.

(ED. NOTE: some of you may have seen the review of this device in the AUGUST issue of TSU. If you did not see it, they gave the WINKY II a rating of \*\*\*\*. That is the highest they give.)

The WINKY II is available from: G. RUSSELL-ELECTRONICS RD 1 BOX 539 CENTER HALL, PA 16828

Price? \$19.95+\$1 P+H ASSEMBLED

\$14.95+\$1 P+H KIT



Be sure to watch for future articles and reviews by our friend DICK WAGNER.

KEEP EM COMING, DICK>>>

### <<<00PS>>>

We will be using this column to try to correct any editorial glitches that may from time to time slip by our ever-vigilant eye. Like last month in the ZX/TS P and R column. The tip to ROUND-OFF numbers to the nearest two decimal places was incorrectly printed as:

LET R=INT (100\*N+0.05)/100

It should have read:

LET X=INT (100\*X+.5)/100

We certainly hope that there was no inconvenience caused by our error. SORRY/////

#### ZX/TS P and R

This month we have a short, if not one line, tip for all of you new Programmers out there in readerland. This is the easiest method to set up a SELF-RUNNING Program and to make sure that you do not lose any of the Program variables by accidentally RUNning a Program. The lines are:

9998 SAVE "PROGRAM NAME" 9999 GOTO 100

In line 9999 the number after GOTO indicates the first line in the Program that will RUM the routine without erasing any of the Program variables. Use this routine at the end of any Program you may write and when it is LOADed, it will automatically start.

This month for our Program section, we thought that we would try to show some of you newer Programmers what can be accomplished by a novice hacker with only 1K or RAM to work with. These three simple math routines were the very first Programs written by yours truly right after reading the ZX81 manual. The routines were designed to help my daughters in routine MATH SKILLS. They really did help. They also show that some nice things can be accomplished with very little knowhow and/or memory.

S REM "MATH DRILL M"
5 SLOU
7 PRINT "MULTIPICATION DRILL" PRINT 8 PRINT
100 LET X=INT (RND \*20) +1
20 LET Y=INT (RND \*20) +1
40 PRINT AT 10,0;X;" T
;;"=",;"ANSUER?"
70 INPUT Z
80 PRINT AT 10,15;,Z;"
82 PAUSE 200
85 CLS TIMES 85 CLS 90 IF Z=X\*Y THEN PRINT AT 5,0; REAT \*\*\*\* SUPER";,,;"NEXT? "GREAT 95 IF Z=X\*Y THEN GOTO 10
110 IF Z<>X\*Y THEN PRINT AT 5,0
"NOPE, SORRY,",,, "TRY AGAIN" "NOPE, SO 120 IF Z ( ) X \*Y THEN GOTO 40 130 CLS SMREH "MATH DRILL A" 6 SLOW 10 PRINT "ADDITION" 30 LET X=INT (RND #500) +1 40 LET Y=INT (RND #500) +1 50 PRINT AT 10,0;X;" PLO Y;"=","ANSWER" PLUS "=","ANSWER"
70 INPUT Z
80 PRINT AT 10,16;Z;"
85 PAUSE 200 85 CLS 87 CLS
90 IF Z=X+Y THEN PRINT AT 5,0;
"HOORAY >>>> GO ON"
110 IF Z=X+Y THEN GOTO 30
120 IF Z<>X+Y THEN PRINT AT 5.0;
"NO, NO, NINNY",,,,"TRY AGAIN"
140 IF Z<>X+Y THEN GOTO 50 5 REM "MATH DRILL S" SLOW . 6 7 PRINT "MATH DRILL 4"
10 PRINT "SUBTRACTION"
30 LET X=INT (RND\*500)+1
40 LET Y=INT (RND\*500)+1
45 IF X(Y THEN GOTO 30
50 PRINT AT 10,0;X;" MII
Y;"= ";" ANSWER?"
70 INPUT Z
60 PRINT AT 10,17;Z;"
82 PAUSE 200 MINUS SOUPRINT AT 10,17;Z;"
82 PAUSE 200
85 CLS
90 IF Z=X-Y THEN PRINT AT 5;"RIGHT ON,",,,"GO ON TO NEXT"
110 IF Z=X-Y THEN GOTO 30
120 IF Z<>X-Y THEN PRINT AT 5;"NOT SO FAST,",,"DO IT OVER 140 IF Z<>X-Y THEN GOTO 50





THE ESSENTIAL GUIDE
TO
TIMEX/SINCLAIR
HOME COMPUTERS

ROD GOWEN

WRITTEN by: PETER MORSE, IAN ADAMSON BEN ANREP, BRIAN HANCOCK

The cover header says: "THE ONLY BOOK YOU WILL EVER NEED TO BECOME AN EXPERT AT THE TIMEX/SINCLAIR 1000 AND 2000" I am here to tell you that the above statemet is almost an understatement. I have quite a few books in my library, but I can honestly say that had this book been in Print a year ago, I might have saved a lot of money and time. It has sections om GAMES, GRAPHICS, SUBROUTINES AND APPLICATIONS. It contains a PROGRAM LIBRARY, INSTRUCTIONS IN BASIC, A COMPLETE USERS GUIDE AND A GUIDE TO COLOR GRAPHICS AND SOUND. It even has a very complete section on the keyboard layout and functions of the new T/S 2068. After having used this SUPERB book for only a few months, I can safely say that I would be lost without it. I think, NO, I KNOW, that if I were asked to Pick the one book or guide that I would recommend to a new T/S owner-operator, I would have no choice but to name this volume as my number 1 choice. You could almost describe it as a complete educational course on TIMEX computers. Amyone out there contemplating the future



Purchase of a T/S 2068 could not do much, if any, better than this GEM. You need not take my word for it though, all you need is one glance through it to prove it to yourself.

This book is available for just \$8.95 and can be Purchased from B. DALTON BOOKSELLER.

As this is a new column this month, we need, as with our other columns, contributors in order to keep the newsletter interesting and informative to all.

A B H F

C Letters &

We hope you enjoy our little newsletter. LET US HEAR FROM YOU. WE WANT TO PRINT A LETTER COLUMN, BUT THAT REQUIRES THAT WE RECEIVE SOME LETTERS. ADDRESS THEM TO:

CCAT/S 1419 1/2 7th STREET OREGON CITY, OR 97045

THANKS FOR YOUR SUPPORT---KEEP ON POKEIN9 and PEEKin9 Due to COMPUTER ERROR, we are Printing a revised membership list for you. Sorry for the GLITCH.

REMEMBER---

KeeP your list updated as we print names of new members.

2 BACKSTRAND, JOHN 19911 S. HENRICI 503-631-2065 OREGON CITY 1 OR. 97045

EVANS, BOB 2615 SE COURTNEY19 503-659-9207 MILWAUKIE 1 OR. 97222

RIPPEY, QUINTEN 15661 S. TIOGA RD 503-632-4876 OREGON CITY 1 OR. 97045

5 MARKHAM, WAYNE 19751 S. MEYERS RD.503-655-5066 OREGON CITY 1 OR. 97045

BATE, DAVID 21912 S FARMPOND CT503-632-4147 OREGON CITY 1 OR. 97045

7 PAUL, DON (SEC./TREAS.) 13080 CLIFFSIDE DR.503-632-4263 MILINO 1 OR. 97042

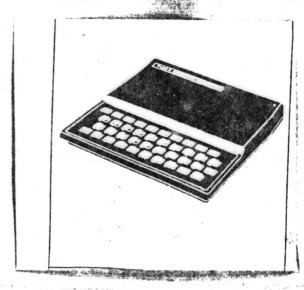
8 SIMPSON, MICHAEL P. 274 S.W. 9TH ST. 503-266-5305 CANBY 1 OR. 97013

9 WAGNER, DICK 655 NW TERRITORIAL 503-266-4712 CANBY 1 OR. 97013

10
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EAGLE CREEK, 1 OR 97022

11 MOORE, GARY 600 MAY ST. NO. 46 503-657-7295 OREGON CITY 1 OR. 97045

JURRIES, DENNIS (CHAIRMAN)
1103 HUGHES ST. 503-655-9670
OREGON CITY 1 OR. 97045



13 GOWEN, ROD 1419.5 7TH ST. 503-655-7484 OREGON CITY 1 OR. 97045

22 FOWLER, KEVIN 6852 NE MULTNOMAH 503-253-0844 PORTLAND 1 OR. 97213

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30 MARTIN, BILL 15150 SE. ANDERSON 503-658-3560 CLACKAMAS 1 OR. 97015

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36 ELIZABETH GRAY 19526 S. LELAND RD - -OREGON CITY, 1 OR 97045

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